

ABSTRACT

5       An oxygen concentrating apparatus 10 for generating  
oxygen enriched gas by adsorbing and separating nitrogen  
gas from air, comprises: an oxygen concentrator 40 having  
an adsorption cylinder filled with adsorbent for  
10       adsorbing nitrogen gas, also having an air inlet port 44,  
an oxygen outlet port 50 and a nitrogen gas outlet port  
46; a compressor 30 for supplying compressed air from the  
air inlet port 44; a sound insulation box 20, which  
surrounds the compressor 30, for reducing noise generated  
from the compressor 30, ribs 20a being formed on a side  
wall of the sound insulation box 20; a cooling fan 36 for  
introducing air into the sound insulation box 20 so as to  
15       cool the compressor 30 by the introduced air; a housing  
12 surrounding the oxygen concentrator 40 and the sound  
insulation box 20; and an exhaust duct 60 arranged in the  
housing 12, for guiding the exhaust discharged from the  
cooling fan 36 to the outside of the housing 12.